

## Curriculum Vitae

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**Name:** Hossam Khalafallah Ali AboZeid

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**Nationality:** Egyptian

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### EDUCATION

- **October 2017- present: Registered for The Degree of Doctor of Medicine (M.D.) In Pediatrics**, Sohag Faculty of Medicine, Egypt
- **July 2017: The Degree of Master of Medicine (M.Sc.) In Pediatrics**, Sohag Faculty of Medicine -Egypt, Grade Very Good  
**Thesis title:** Characterization and outcome of packed red blood cells transfusion in critically ill children in PICU in Sohag University hospital (Abstract shown in Appendix 1)  
**Supervisors:** Prof. Alzahraa Alsayed Ahmed, and Dr.Shaimaa M. Mahmoud
- **February 2012: The Degree of Bachelor of Medicine and Surgery (Mb.Bch.)**, Sohag Faculty of Medicine-Egypt, Grade (Excellent with the grade of honor).

### EMPLOYMENT

- **July 2017-Present: Assistant Lecturer of Pediatrics** in Sohag Faculty of Medicine.... Upper Egypt
- **24/4/ 2016 - July 2017: Demonstrator of Pediatrics** in Sohag Faculty of Medicine.... Upper Egypt
- **16/4/2013-16/4/2016 :Resident Physician** -Department of Pediatrics – Sohag University
- **1/3/2012- 28/2/2013: House Officer-** Sohag University

## **RESEARCH EXPERIENCE**

- Working on my master thesis entitled Characterization and outcome of packed red blood cells transfusion in critically ill children in PICU in Sohag University hospital
- My master study included several courses on research methodology, epidemiology and biomedical statistics.
- Acquired experience includes diagnosis and management of pediatric hematological diseases and critical care, basics of clinical research and biomedical statistics, and preparing my master thesis. We published a scientific paper from our research in a regional journal

## **TEACHING/ADMINISTRATIVE EXPERIENCE**

### **April 2016-Present: Demonstrator/Assistant Lecturer (Pediatrics) Sohag University**

- Teaching/demonstrating clinical skills of pediatrics for undergraduate medical students.
- Training/supervising clinical works of resident physicians and postgraduate students.
- Facilitating teaching rounds/lectures headed by professors.
- Member of Adolescent Medicine Master degree Curriculum development team.
- Sharing in evaluation process (written/clinical) of undergraduate medical students.
- Several seminar presentations on relevant pediatric topics.
- Sharing in organization of several workshops (e.g., neonatal resuscitation, mechanical ventilation, advanced life support, inherited metabolic diseases) and conferences (e.g., annual Sohag Cardiology, Hematology and Neurology conferences).
- Providing lectures and hand-on training in the skills laboratory for under- and postgraduate students.
- Informal mentoring/supervision of dissertation work/theses of postgraduate students
- Preparation of a complete video library demonstration of procedures in PICU and NICU and how to use medical devices and Mechanical Ventilation.

### **Jan 2014-Jul 2015: Assistant Project manager Sohag University Hospital**

- Preparing a project for setting up a pediatric intensive care unit and expanding the neonatal intensive care unit.
- Calling and communication with several funding foundations to support this project.
- Implementing a collaboration protocol with the Commercial International Bank Foundation to fund this project.
- Nominating scientifically sound medical equipment.
- Training of medical staff on the proper use of new medical equipment.
- Supervising the active work of the newly established PICU (10 fully equipped beds) and the developed NICU (12 new fully equipped incubators).

### **PROFESSIONAL MEDICAL EXPERIENCE**

#### **July 2017 -Present: Specialist (Pediatrics &Neonatology) Sohag University Hospital**

- High experience in management of common pediatric emergency and intensive care patients (ER&PICU).
- High experience in management of common conditions in neonatal intensive care unit (NICU)
- High experience in techniques and modes of neonatal and pediatric mechanical ventilation.
- High experience in management of common outpatient and inpatient pediatric patients.
- Management of pediatric patients with Critical illness, Hematological and Neurological Diseases.

#### **16/4/2013 - 16/4/2016: Resident Physician (Pediatrics &Neonatology) Sohag University Hospital**

- Experience in diagnosis and management of common neonatal and pediatric diseases (inpatients, outpatients, and emergencies).
- Experience in management of neonatal and pediatric intensive care patients, including mechanical ventilation. (for Two years)
- Experience in management of common Hematological disorders in children as I have spent more than 2 years in the pediatric Hematology out-patient clinic

### **MEMBERSHIPS:**

Membership of the Egyptian Society for Adolescent Medicine

## **FEATURED PRESENTATIONS**

- Neonatal Hematological disorders (oral presentation). Advanced Neonatal Care training course. 8-10 Nov. 2017, Sohag University, Sohag, Egypt.
- ALCAPA syndrome and other cardiac case presentations. 5<sup>th</sup> Sohag Cardiology Conference .26-29 July 2017, Hurgada, Egypt
- Introduction to Neonatal Mechanical Ventilation (oral presentation). Basics of Neonatal Mechanical Ventilation. 19-21 Jul 2017, Department of Pediatrics, Sohag University, Sohag, Egypt.
- NRP Trainer, Neonatal Resuscitation Workshops (6 workshops) July 2017, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Introduction to Pediatric Mechanical Ventilation (oral presentation). Basic Pediatric Mechanical Ventilation Workshop .23-25 May 2017, Sohag University, Sohag, Egypt.

## **ATTENDED CONFERENCES/WORKSHOPS**

*Shown in Appendix 2*

### **IT**

IC3 Digital Literacy Certification  
Experience and daily use of Microsoft Office Suite.  
Experience in statistical analysis using SPSS program

### **Languages**

Arabic (native)  
English (very good)  
English Proficiency Course (Sohag University) with Excellent Grade (91%).

## **FURTHER INFORMATION**

### **Charity/volunteering works**

- Sharing of charity medical campaigns to remote communities with limited health care facilities.
- Vice director of Hemophilia management project in Sohag university hospital supported by Egyptian Hemophilia society and world federation of hemophilia.
- Sharing in the organization of trans cath. Correction of congenital heart diseases workshop 27 February – 4 March 2017, funded by Physicians across continents, Department of Pediatrics, Sohag University, Sohag, Egypt.

## REFEREES

### **Prof. Mohamed Abd El Aal**

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### **Prof . Alzahraa Alsayed Ahmed**

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### **Prof. Abdelrahim Sadek**

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### **Dr. Shaimaa M. Mahmoud**

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## **Appendix (1)**

### **Characterization and outcome of packed red blood cells transfusion in critically ill children in PICU in Sohag University hospital**

**Hossam K. ALI<sup>1</sup>, M.B, B.Ch., Shaimaa M. Mahmoud<sup>2</sup>,MD,. Alzahraa Alsayed Ahmed<sup>3</sup>, MD.**

1: M.B, B.Ch., Demonestrator of Pediatrics, Sohag University Hospital.2: MD, Lecturer of Pediatrics, Sohag University Hospital. 3: MD, Professor of Pediatrics, Sohag University Hospital.

#### **Abstract**

Red blood cell transfusions are a common therapy in critically ill anemic children, a packed cell product is the component of choice for replacement therapy during RBC loss and sporadic transfusion therapy.

The decision to transfuse must be based on an assessment of the risks of anemia versus the risks of transfusion. In addition to the individual assessment of any symptomatic anemic child, the duration of anemia must be taken into consideration as well as the extent of trauma or surgery and the probability of blood loss and coexisting conditions such as impaired pulmonary function and inadequate cardiac output. <sup>(1-3)</sup>

This study was a prospective observational study conducted for one year in Pediatric Intensive Care Unit (PICU) of Sohag University Hospital ,a tertiary health center which provide specialized care to critically ill infants and children with about 400 admissions yearly.

Patients was divided to two groups according to arterial blood pressure.

Stable critically ill: not hypotensive (mean arterial pressure not less than 2 standard deviations below the mean for age), or no cardiovascular support for at least two hours prior to enrollment.

Unstable critically ill: hypotensive (mean arterial pressure less than 2 standard deviations below the mean for age), or there is cardiovascular support for at least two hours prior to enrollment, this includes patients with heart failure.

Packed RBCS transfusion following a restrictive blood transfusion strategy was used  
Stable critically ill patients: received blood transfusion only if hemoglobin concentration falls below 7 gm/dl.

Unstable critically ill patients: received blood transfusion according to clinical judgment. <sup>(1,4)</sup>

Short term outcome till discharge including (mortality or improvement) and duration of ICU stay was observed and recorded.

Our study showed that respiratory diseases were the main risk factor that increase the duration of PICU stay (p value 0.001), while suffering from hemodynamic unstability was the main risk factor for death in our PICU (P value 0.02). a restrictive blood transfusion strategy was safe in pediatric patients whose condition was stable in PICU, with no effect on mortality or duration of admission in PICU and the study was not able to highlight a cause-effect relationship between RBC transfusions and outcomes in critically ill children.

**Key words:** Packed RBCs, Transfusion, Critically ill, Pediatric ICU

## **Appendix (2)**

### *Attended conferences and workshops*

#### **Conferences**

- 6<sup>th</sup> Sohag annual conference of Pediatric Department, 13-15 September 2018, Hurgada, Egypt .
- 9th Scientific Congress of Pediatric Intensive Care. 19-20 Jul 2018, Cairo, Egypt.
- 1st Sohag Conference of Inborn Errors of Metabolism (Coordinator). 26-27 Feb 2018, Sohag, Egypt.
- Neonatal Intensive Care Disinfection and Antibiotic resistance. 15 December 2017, Doctors club, sohag, Egypt.
- The 1<sup>st</sup> national adolescent medicine conference. 8-12 Oct. 2017, Eon Mousa, Egypt
- 5<sup>th</sup> Sohag Cardiology Conference (Coordinator). 26-29 July 2017, Hurgada, Egypt
- Breakthrough in child psychiatry. 14 July 2017, Sohag, Egypt
- 2nd Sohag Cardiology Conference (Common Neonatal Cardiac Problems). 25 Mar 2015, Sohag, Egypt.
- 4th Sohag Neuropediatrics Conference. 4 Mar 2015, Sohag, Egypt.
- 12<sup>th</sup> annual conference of Pediatric department, Assiut University (Stepwise Protocols In Pediatric Emergencies). 22-24 Jan. 2015, Hurgada, Egypt
- 1st Sohag Cardiology Conference (Updates in Childhood Cardiomyopathy). 27 Mar 2014, Sohag, Egypt.
- 1st Sohag Haematology Conference. 23 Jan 2014, Sohag, Egypt.
- 3rd Sohag Neuropediatrics Conference. 26 Dec 2013, Sohag, Egypt.

## **WORKSHOPS**

- Practical Guidelines of Sohag University Hospital PICU. 11 Apr 2018, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Advanced Neonatal Care training course.8-10 Nov.2017, Sohag University, Sohag, Egypt.
- Basics of Neonatal Mechanical Ventilation. 19-21 Jul 2017, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Basic Pediatric Mechanical Ventilation .23-25 May 2017, Sohag University, Sohag, Egypt.
- Pediatric ECG Interpretation .14-16 March 2017, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Training of Trainers. 23 August-1 sep.2016, Faculty Leadership Development Center, Sohag University, Sohag, Egypt.
- Conference organization.28-29 May 2016, Faculty Leadership Development Center, Sohag University, Sohag, Egypt.
- Research team management .21-23 May 2016, Faculty Leadership Development Center, Sohag University, Sohag, Egypt.
- Updates in neonatal ventilation .20 May 2016, Sohag medical syndicate, Egypt.
- Strategic planning.16-14 May 2016, Faculty Leadership Development Center, Sohag University, Sohag, Egypt.
- Research Ethics.7-9 May 2016, Faculty Leadership Development Center, Sohag University, Sohag, Egypt.
- Neonatal Emergencies.17-19 Oct.2015. Sohag University, Sohag, Egypt.
- Pediatric ECG Interpretation .10-13 Oct 2015, Department of Pediatrics, Sohag University, Sohag, Egypt
- Pediatric Emergencies II. 17-18 Jun 2015, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Pediatric Emergencies I. 10-11 Jun 2015, Department of Pediatrics, Sohag University, Sohag, Egypt.
- Neonatal Ventilation Course. 15-16 Apr 2015, the National Training Institute, Ministry of Health, Cairo, Egypt.
- APLS: The Pediatric Emergency Medicine Course (Standardized by the American Academy of Pediatrics). 11-12 March 2015, Future Pediatricians Society, Luxor, Egypt.